CONTENTS OF VOLUME 34

No. 1 January 1967

MULTIPLE SCLEROSIS—AN ENIGMA
Guy H. Williams, Jr., M.D. 1

SPLANCHNICECTOMY FOR THE TREATMENT OF INTRACTABLE ABDOMINAL PAIN
William G. Heisey, M.D., and Donald F. Dohn, M.D. 9

MOTOR-NERVE CONDUCTION STUDIES IN YOUNG PATIENTS WITH DIABETES MELLITUS
Shirley Thompson Khalouf, M.D., and Karl J. Olsen, M.D. 27

ANGIOGRAPHIC DIAGNOSIS OF CARCINOMA OF THE CECUM; REPORT OF A CASE
Thomas F. Meaney, M.D., Charles H. Brown, M.D., Robert E. Hermann, M.D., and Caldwell B. Esselstyn, M.D. 35

RENAL-SPLANCHNIC STEAL; REPORT OF A CASE
Ralph J. Alfidi, M.D., Edgar J. Filson, M.D., Edward D. Frohlich, M.D., Ray W. Gifford, Jr., M.D., and Thomas F. Meaney, M.D. 43

A NEW TRACHEOSTOMY UNIT AND ITS EVOLUTIONAL RATIONALE
G. O. M. Jones, M.A., B.M., B.Ch., and Carl E. Wasmuth, M.D., LL.B. 55

BILATERAL INTERNAL MAMMARY ARTERY IMPLANTS; OPERATIVE TECHNIC—A PRELIMINARY REPORT
Rene G. Favaloro, M.D. 61

ARTIFICIAL AORTIC VALVES TESTED BY SIMULTANEOUS RECORDING OF AORTIC AND VENTRICULAR PRESSURES
Miroslav Klain, M.D., and Knut H. Leitz, M.D. 67

PUBLICATIONS BY MEMBERS OF THE STAFF 75

THE CLEVELAND CLINIC EDUCATIONAL FOUNDATION—POSTGRADUATE COURSES 79

No. 2 April 1967

THE GASTROCAMERA AS AN AID IN DIAGNOSIS
B. H. Sullivan, Jr., M.D., Henry B. Friedman, M.D., and Francis J. Owens, M.D. 81

CHEMOTHERAPY FOR MALIGNANCY OF THE LIVER BY SHORT-TERM DIRECT INFUSION OF THE HEPATIC ARTERY
Richard G. Farmer, M.D., Edgar J. Filson, M.D., and Edward A. Buonocore, M.D. 89

TREATMENT OF LUPOID HEPATITIS WITH AZATHIOPRINE; REPORT OF A CASE
Hirsch Rastogi, M.D., Sharad D. Deodhar, M.D., Ph.D., and Charles H. Brown, M.D. 97

HURLER'S DISEASE—AN ILLUSTRATIVE CASE REPORT
Kenneth S. K. Tung, M.B., B.S., George C. Hoffman, M.B., B.Chir., M.C.Path., and Robert D. Mercer, M.D. 105

TRENDS IN NEUROSURGERY
Wallace B. Hamby, M.D. 115

SUCCESSFUL PULMONARY EMBOLECTOMY; REPORT OF A CASE
Rene G. Favaloro, M.D., Donald B. Effler, M.D., and William C. Sheldon, M.D. 119

INTRAORAL 'LEUKOPLAKIA'
Shattuck W. Hartwell, Jr., M.D. 127

PUBLICATIONS BY MEMBERS OF THE STAFF 135

THE CLEVELAND CLINIC EDUCATIONAL FOUNDATION—POSTGRADUATE COURSES 139

No. 3 July 1967

BROADENING PERSPECTIVES OF ELECTROPHORESIS—AS SEEN FROM TWENTY-FIVE YEARS OF USE AT THE CLEVELAND CLINIC
Lena A. Lewis, Ph.D. 141

INTRODUCTION OF A SIMPLE ARTIFICIAL KIDNEY IN THE UNITED STATES; RESULT OF INTERNATIONAL COOPERATION
Willem J. Kolff, M.D., Ph.D. 151

Onset of Paroxysmal Myoglobinuria After Tonsillectomy and Adenoidectomy; Report of a Case
Shirley B. Herzberg, M.D., William M. Michener, M.D., M.S. (Pediat.), and William S. Kiser, M.D. 159

Treatment of Maladies in Medical Writing
Mildred Hoerr Lysle, S.M., and Stanley O. Hoerr, M.D. 163

The Effect of High-Pressure Oxygen on Chromogenic Bacteria
Linda L. Reynolds, M.T. (A.S.C.P.), and John W. King, M.D., Ph.D. 171

Erratum 179

In Memoriam—Charles A. Resch, D.D.S.
Alexander T. Bunts, M.D. 181

Publications by Members of the Staff 185

The Cleveland Clinic Educational Foundation—Postgraduate Courses 189

No. 4 October 1967

Hysterectomy—Definitive Therapy for Carcinoma In Situ?
James S. Krieger, M.D., and Lawrence J. McCormack, M.D. 191

Vascular Localization of Immunoglobulin IgM in a Renal Homotransplant; Report of a Case
Sharad D. Deodhar, M.D., Ph.D., and Kenneth S. K. Tung, M.D. 199

Sarcoidosis—Recent Progress in Etiology and Pathogenesis
R. Peery Grant, M.D., and Howard Scott Van Ordstrand, M.D. 205

Diagnostic Medical Esophagoscopy
B. H. Sullivan, Jr., M. D., and Henry B. Friedman, M.D. 217

Guide for Treating Patients on Chronic Dialyses With the Twin-Coil Artificial Kidney
Arthur Shimizu, M.D., Satoru Nakamoto, M.D., and Willem J. Kolff, M.D., Ph.D. 225

Temporomandibular Arthralgia; Diagnosis and Treatment
Shattuck W. Hartwell, Jr., M.D., Burton P. Siegel, D.D.S., and Robin Anderson, M.D. 235

Carcinoma of the Pancreas; A Review of One Hundred Cases
Hirsch Rastogi, M.D., and Charles H. Brown, M.D. 243

Gastrointestinal Tuberculosis; Report of a Case
Byron K. Cole, M.D., Gudmundur Oddsen, M.D., Eugene I. Winkelman, M.D., and Howard Scott Van Ordstrand, M.D. 265

Publications by Members of the Staff 269

The Cleveland Clinic Educational Foundation—Postgraduate Courses 273

Index Issue

CLEVELAND CLINIC QUARTERLY—VOLUME 34, 1967

Number	Month of Issue	Pages
1	January	1–80
2	April	81–140
3	July	141–190
4	October	191–274

AUTHOR INDEX

Alfidi, R. J., 43
Anderson, R., 235

Brown, C. H., 97, 243
Bunts, A. T., 181
Buonocore, E. A., 89

Cole, B. K., 265

Deodhar, S. D., 97, 199
Dohn, D. F., 9

Effler, D. B., 119
Esselstyn, C. B., 35

Farmer, R. B., 89
Favaloro, R. G., 61, 119
Filson, E. J., 43, 89
Friedman, H. B., 81, 217
Frohlich, E. D., 43

Gifford, R. W., Jr., 43
Grant, R. P., 205

Hamby, W. B., 115
Hartwell, S. W., Jr., 127, 235
Heisey, W. G., 9
Hermann, R. E., 35
Herzberg, S. B., 159
Hoerr, S. O., 163
Hoffman, G. C., 105

Jones, G. O. M., 55

Khalouf, S. T., 27
King, J. W., 171

Kiser, W. S., 159
Klain, M., 67
Kolff, W. J., 151, 225
Krieger, J. S., 191

Leitz, K. H., 67
Lewis, L. A., 141
Lysle, M. H., 163

McCormack, L. J., 191
Meaney, T. F., 35, 43
Mercer, R. D., 105
Michener, W. M., 159

Nakamoto, S., 225

Oddsen, G., 265
Olsen, K. J., 27
Owens, F. J., 81

Rastogi, H., 97, 243
Reynolds, L. L., 171

Sheldon, W. C., 119
Shimizu, A., 225
Siegel, B. P., 235
Sullivan, B. H., Jr., 81, 217

Tung, K. S. K., 105, 199

Van Ordstrand, H. S., 205, 265
Viljoen, J., 195

Wasmuth, C. E., 55
Williams, G. H., Jr., 1
Winkelman, E. I., 265

SUBJECT INDEX

ADENOIDECTOMY. See MYOGLOBINURIA, 159
AORTIC VALVES. Artificial, tested by simultaneous recording of aortic and ventricular pressures, 67
ARTERIES. HEPATIC, see LIVER, 89
MAMMARY, bilateral, internal, implants; technic; preliminary report, 61
ARTHRALGIA. Temporomandibular; diagnosis and treatment, 235
ARTIFICIAL KIDNEY. Guide for treating patients on chronic dialyses, 225
Simple; introduction in U.S., 151

BACTERIA, CHROMOGENIC. Effect of high-pressure oxygen, 171

CARCINOMA. See CECUM, 35; PANCREAS, 243; UTERUS, 191
CECUM. Carcinoma, angiographic diagnosis; report of a case, 35

DIABETES MELLITUS. Juvenile; motor-nerve conduction studies, 27
DIALYSIS. See ARTIFICIAL KIDNEY, 151, 225

ELECTROPHORESIS. Broadening perspectives, 141
ERRATUM, 179
ESOPHAGUS. Medical esophagoscopy, 217

GASTROCAMERA. Aid in diagnosis, 81

HURLER'S DISEASE. Report of a case, 105

IMMUNOGLOBULIN. IgM in a renal homotransplant, vascular localization; report of a case, 199
IN MEMORIAM. Charles A. Resch, D. D. S., 181

JAW. See ARTHRALGIA, 235

KIDNEY. See also ARTIFICIAL KIDNEY, 151, 225
Renal-splanchnic steal; report of a case, 43

LIVER. Lupoid hepatitis, treatment with azathioprine; report of a case, 97
Malignancy, chemotherapy for, by direct infusion of hepatic artery, 89
LUNG. Pulmonary embolectomy, successful; report of a case, 119
Pulmonary ventilation chart, 195
See also TRACHEOSTOMY, 55

MEDICAL WRITING. Treatment of maladies in, 163
MOUTH. Intraoral 'leukoplakia,' 127
MULTIPLE SCLEROSIS. An enigma, 1
MYOGLOBINURIA. Paroxysmal, after tonsillectomy and adenoidectomy; report of a case, 159

NEOPLASM. See CARCINOMA, 35, 191; LIVER, 89; PANCREAS, 243
NEUROSURGERY. Trends, 115

PANCREAS. Carcinoma, review of 100 cases, 243
POSTGRADUATE COURSES, The Cleveland Clinic Educational Foundation, 79, 139, 189, 273
PUBLICATIONS. Staff, 75, 135, 185, 269

RENAL TRANSPLANT. See IMMUNOGLOBULIN, 199
RESCH, CHARLES A., D.D.S. In memoriam, 181

SARCOIDOSIS. Recent progress in etiology and pathogenesis, 205
SPLANCHNICECTOMY. Treatment of intractable abdominal pain, 9

TONSILLECTOMY. See MYOGLOBINURIA, 159
TRACHEOSTOMY. A new unit and its evolutional rationale, 55
TUBERCULOSIS. Gastrointestinal; report of a case, 265

UTERUS. Hysterectomy—definitive therapy for carcinoma in situ?, 191